PROJECT REFERENCE NO.	SHEET NO.
R-4903	UC-10
DESIGNED BY: BCH	
DRAWN BY: BCH	
CHECKED BY: JLT	
APPROVED BY: MRB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151	UTILITY CONSTRUCTION PLANS ONLY
TGS ENGINEERS 804-C N. LAFAYETTE ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

NORTH CAROLINA PROFESSIONAL SEAL 30499 ENGINEER BOBBY C. MOUSER

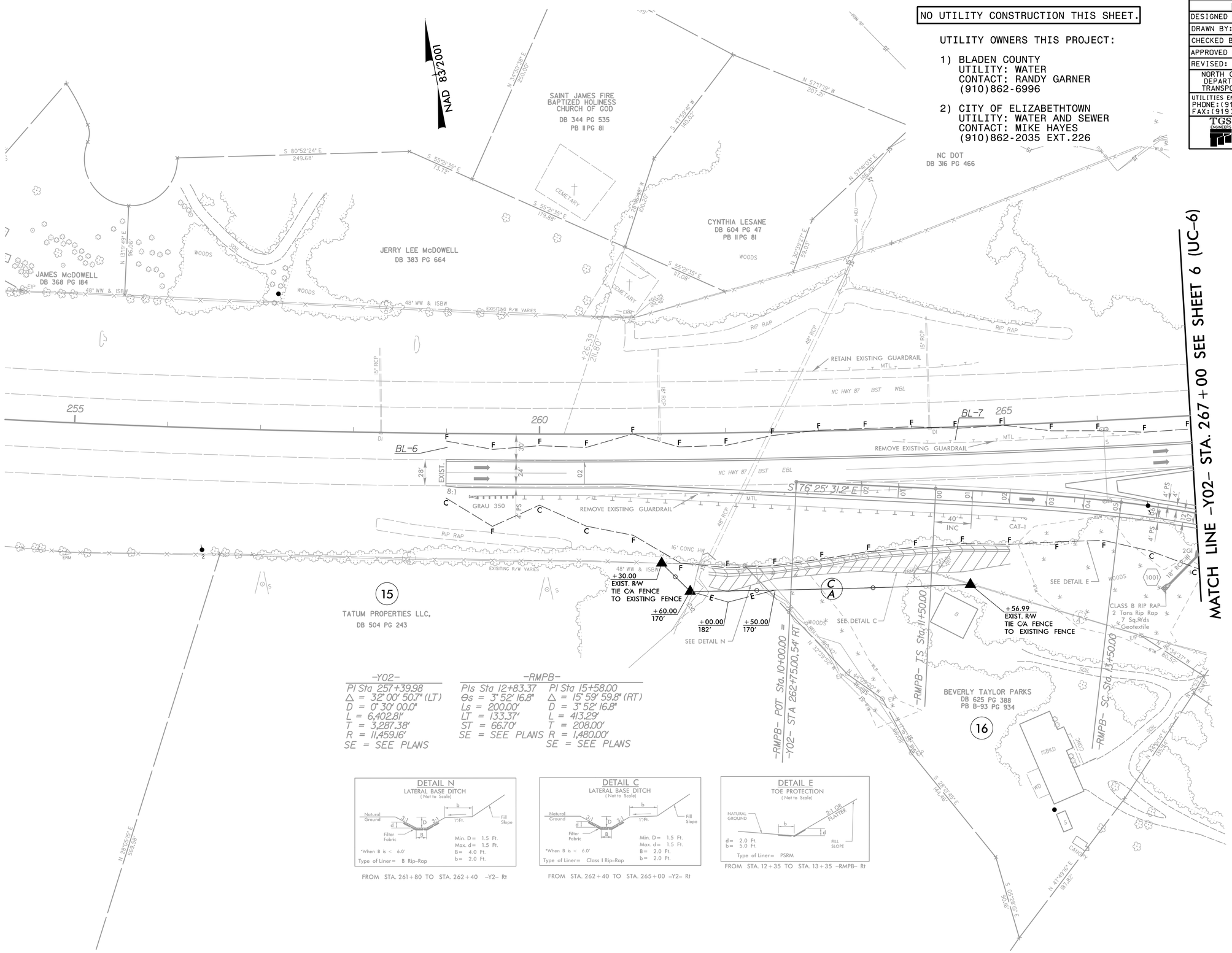
Bobby C. Mouser 9/26/2014

NO UTILITY CONSTRUCTION THIS SHEET.

UTILITY OWNERS THIS PROJECT:

1) BLADEN COUNTY
UTILITY: WATER
CONTACT: RANDY GARNER
(910)862-6996

2) CITY OF ELIZABETHTOWN
UTILITY: WATER AND SEWER
CONTACT: MIKE HAYES
(910)862-2035 EXT.226



-Y02-
PI Sta 257+39.98
Δ = 32° 00' 50.7" (LT)
D = 0° 30' 00.0"
L = 6,402.81'
T = 3,287.38'
R = 11,459.16'
SE = SEE PLANS

-RMPB-
PIs Sta 12+83.37
Θs = 3° 52' 16.8"
Ls = 200.00'
LT = 133.37'
ST = 66.70'
SE = SEE PLANS

PI Sta 15+58.00
Δ = 15° 59' 59.8" (RT)
D = 3° 52' 16.8"
L = 413.29'
T = 208.00'
R = 1,480.00'
SE = SEE PLANS

DETAIL N
LATERAL BASE DITCH
(Not to Scale)

Natural Ground, 3:1, d, D, 3:1, b, 1'Ft., Fill Slope, Filter Fabric, B

Min. D = 1.5 Ft.
Max. d = 1.5 Ft.
B = 4.0 Ft.
b = 2.0 Ft.

*When B is < 6.0'
Type of Liner = B Rip-Rap

FROM STA. 261+80 TO STA. 262+40 -Y2- Rt

DETAIL C
LATERAL BASE DITCH
(Not to Scale)

Natural Ground, 3:1, d, D, 3:1, b, 1'Ft., Fill Slope, Filter Fabric, B

Min. D = 1.5 Ft.
Max. d = 1.5 Ft.
B = 2.0 Ft.
b = 2.0 Ft.

*When B is < 6.0'
Type of Liner = Class I Rip-Rap

FROM STA. 262+40 TO STA. 265+00 -Y2- Rt

DETAIL E
TOE PROTECTION
(Not to Scale)

NATURAL GROUND, b, d, 2:1 OR FLATTER, FILL SLOPE

d = 2.0 Ft.
b = 5.0 Ft.
Type of Liner = PSRM

FROM STA. 12+35 TO STA. 13+35 -RMPB- Rt

DocuSigned by: Chad Mouser 0BFA26F0564434...

5/14/99

9/22/2014 11:18:17 AM
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